



## ***Fleet Management Information Systems***

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Presentation for:

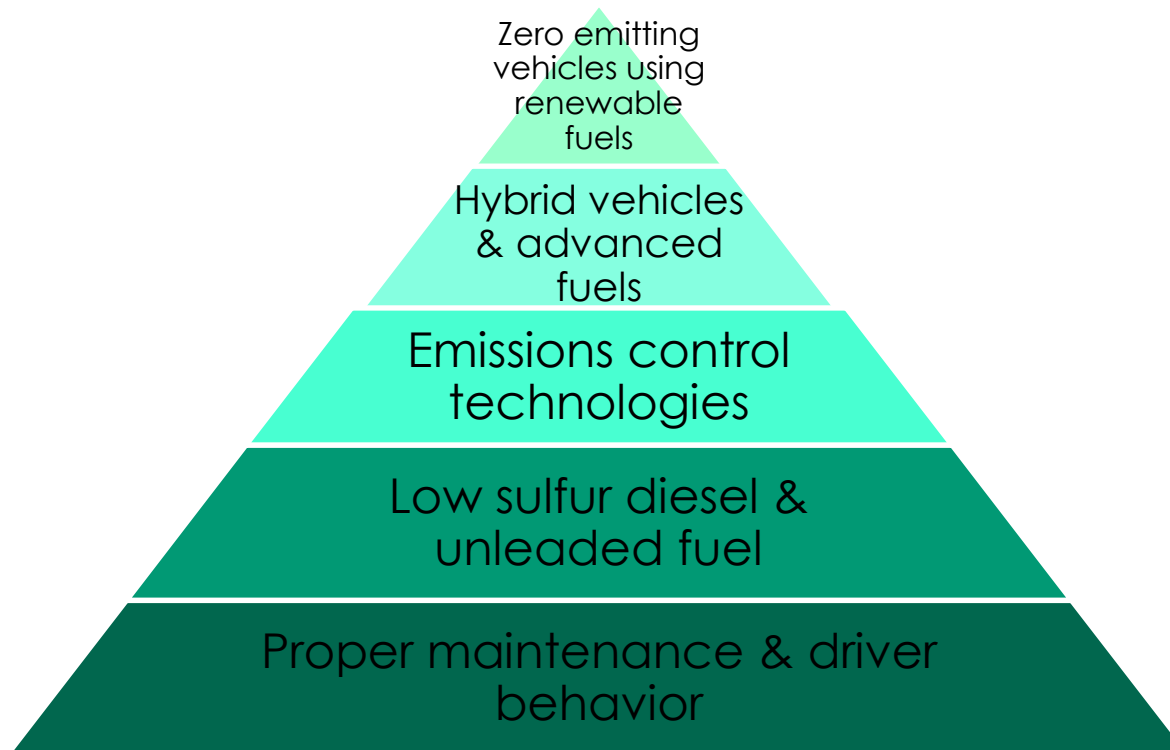


Ron Katz – SVP, North American Sales

# Fleet Sustainability

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Meaningful fleet sustainability initiatives require a detailed understanding of the relationships between fleet economics, performance, emissions and driver behavior



# Modern Fleet Management Systems

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Comprehensive FMIS' allows organizations to implement and monitor structured fleet and fuel management **practices** across the organization using a single enterprise-wide solution.



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- Statutory compliance for city, state and federally imposed regulations



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- Driver oversight and accident management





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- Implement and benchmark sustainability goals and achievement



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- Implement and benchmark sustainability goals and achievement
- Instant visibility over equipment, utilization, finance details and costs
- Real-time performance measurements with targeted metrics that reflect organizational goals



# Fuel & Greenhouse Gas Emissions

- **Current Limitations:**

- Inability to centrally manage fuel issues, alternative fuel usage and sustainability achievement

Document-  
RESULT-  
Sustainability

- **Solution:**

- Automated input and validation
- Support all fuel types and equivalencies
- Track CO<sub>2</sub> and carbon footprint



## Fuel Analysis

Description	Target	Fuel analysis
S860GRC BMW 530D SE	34-42	26.8
FE51DHP VW BORA SPORT PD130 6SP	45-55	16
FG51OSR VW BORA SPORT PD130 6SP	45-55	19.1
CCKBC5 BMW M5 SALOON	20-24	12.2
X204WNU FORD PUMA 1.7	35-39	26.5
X587RFA VAUXHALL VECTRA 2.0DI SL	42-52	23.5



# Pool Car Management

- **Current Limitations:**

- Difficulty optimizing fleet usage
  - Too many idle vehicles

Right Size  
RESULTS  
the Fleet

- **Solution:**

- Pool Vehicles at strategic locations – car sharing
  - Improve utilization
  - Reduce operating costs

**RESERVATION SUMMARY** VEHICLE INFORMATION CONDITION OUT CONDITION IN OTHER INFORMATION

Reservation Number: 000109 [Reservation Ticket](#)

Driver Name: RON KATZ Reason: Long Term From date: 12/18/2011 From Time: 00:00 From odometer: 26188

Responsibility Code: DEXTER Order Int: To date: 03/09/2012 To Time: 23:59 To odometer: 0

Division: ADMINISTRATIVE SERVICES Parking Location: A02 Days: 83

Region: NORTHEAST Rental status: Rented

Order Number: Delivery:

Notes: LONG TERM WHILE VEHICLE IN SHOP FOR REPAIRS

MODEL	MODEL YEAR	REGION	GH - SUPPLIER	VEHICLE TYPE	OPTIONS CONTENT	EDIT DATE	21	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05	06
QUINQ FWD SLT	2012	NC-DET	ESI-DET	EVENT TRANS	APN AKO D70 BAL FE9 GEG GHA LFW MXD R5X 011 1AM																		
BRAIN FWD SLT-2	2012	SE-GA	PA-ATL	MEDIA FLEET	APE FE9 GEG 01B LFW MXD PDM UP9 V92																		
BRAIN FWD SLT-2	2012	SC	ESI-DAL	MEDIA FLEET	APE FE9 GEG 01B LFW MXD PDM UP9 V92																		
BRAIN FWD SLT-2	2012	W-PHX	P1-PHX	MEDIA FLEET	APE GAN GEG LFW MXD PDM UP9 V92 YF5																		
BRAIN AWD SLT-2	2012	NC-DET	ESI-DET	MEDIA FLEET	APE FE9 GAR LFW MXD PDM UEP UP9 V92																		
BRAIN AWD SLT-2	2012	NE-NY	FMI-NY	MEDIA FLEET	APE GAR LFW MXD NE1 PDM R6M UEP UP9 V92																		
BRAIN FWD SLT-2	2012	W-LOS	P1-LA	GRASSROOTS	APE GEG 01S LFW MXD PDM UEP UP9 V92 YF5																		
BRAIN AWD SLT-2	2012	NE-NY	ESI-NY	GRASSROOTS	APE GAN LFW MXD NE1 PDM R6M UEP UP9 V92																		
BRAIN AWD SLT-2	2012	NC-DET	ESI-DET	GRASSROOTS	APE FE9 GBC LFW MXD PDM UEP UP9 V92																		
QUINQ FWD LTZ	2012	W-LOS	P1-LA	GRASSROOTS	APN AKO D70 GEG 01S LFW MXD R5X UEP UP9 01C 1AD																		
QUINQ AWD LTZ	2012	NE-NY	ESI-NY	GRASSROOTS	APN AKO C3H D70 GBC LFW MXD NE1 R5X R6M UEP UP9 01C 1AD																		
QUINQ FWD LTZ	2012	SE-FL	PA-MIA	GRASSROOTS	APL AKO D70 FE9 GAN GEG LFW MXD R5X UEP UP9 01A 1AB																		
QUINQ AWD LTZ	2012	NC-DET	ESI-DET	MEDIA FLEET	APN AKO C3H D70 FE9 GHA LFW MXD R5X UEP UP9 013 1AM																		
QUINQ FWD LTZ	2012	W-LOS	P1-LA	MEDIA FLEET	APN AKO D70 GEG GHA LFW MXD R5X UEP UP9 YF5 013 1AM																		
QUINQ AWD LTZ	2012	NE-BOS	FMI-NY	MEDIA FLEET	APN AKO C3H D70 GHA LFW MXD NE1 R5X R6M UEP UP9 013 1AM																		
QUINQ FWD LTZ	2012	SE-GA	PA-ATL	MEDIA FLEET	APN AKO D70 FE9 GEG GHA LFW MXD R5X UEP UP9 013 1AM																		
QUINQ AWD LTZ	2012	NE-NY	ESI-NY	GRASSROOTS	APL AKO C3H D70 GAN LFW MXD NE1 R5X R6M UEP UP9 01A 1AB																		

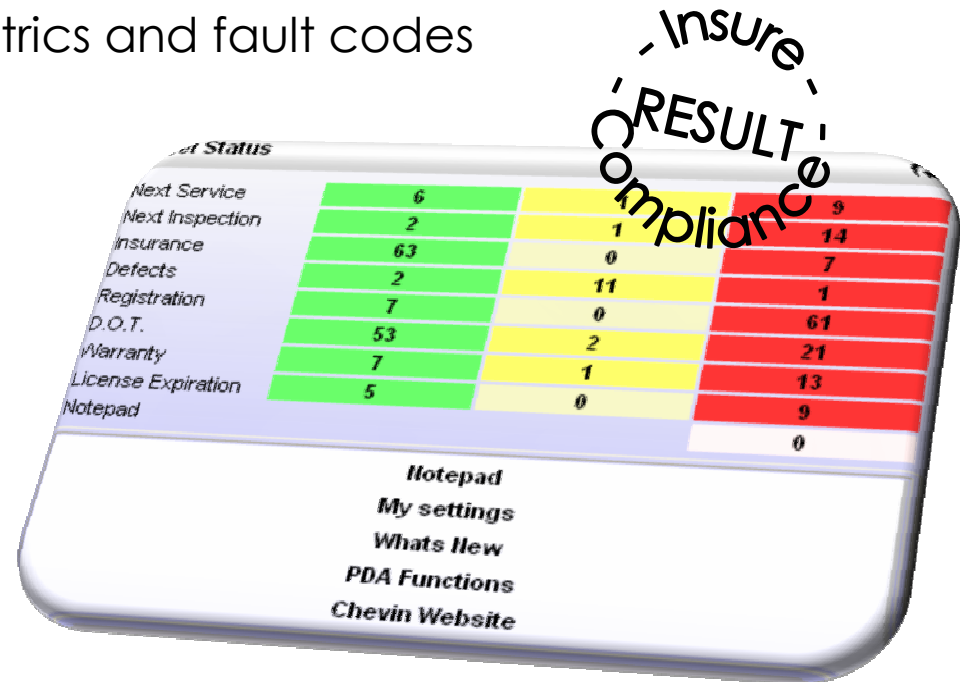
# Preventive Maintenance

- **Current Limitations:**

- Lack of “event” visibility
  - Vehicle events – Certifications, Inspection, PM, Service due
  - Driver events – License Inspections, Certifications, Training
  - Telematics details, metrics and fault codes

- **Solution:**

- high impact ‘Dashboard’
  - events due
  - KPI's
  - broadcast messages
  - user definable
  - e-Mail notification



# Work Shop Management

## Adaptable Work Orders, Bar Code and Touch Screen

- Allow technicians to easily enter and manage work tasks

Simplify  
RESULTS  
Data Entry

Job Number: 68131  
Unit: PUMPER  
Cause: Routine  
Internal/Commercial: Internal  
Driver: [blank]  
Service: CLOSED  
Job Status: CLOSED  
Job Date: 02/03/2004  
Job Time: 09:00 - 10:00  
Odometer: 90107  
Comments: REPAIRED LIGHTS, REPLACED OFFICER SIDE BRAKE LIGHT ASSY.  
Days Off Road: 0.0417  
Mechanic: [blank]

Cost parts: 19.00  
Cost Labor: 15.00  
Invoice parts: 0.00  
Invoice Labor: 0.00

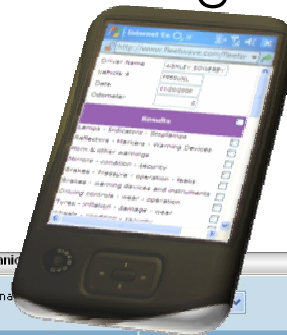
Buttons: Add Workload, Build Schedule, Build Roster, Campaign Recall, Workshop loading, Mechanic Roster, Time Sheets

Location code: ROSEBURG  
Department: [blank]

Details: Job Number: 68131

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
08/25/2008	08/26/2008	08/27/2008	08/28/2008
09/01/2008	09/02/2008 12.75 hours scheduled 0 hours free *Capacity is 0 hours*	09/03/2008 14.4 hours scheduled 0 hours free *Capacity is 0 hours*	09/04/2008 13.99 hours scheduled 0 hours free *Capacity is 0 hours*
09/08/2008	09/09/2008	09/10/2008	09/11/2008 TODAY
09/15/2008	09/16/2008	09/17/2008	09/18/2008
09/19/2008			09/19/2008

Vehicle #	Vehicle ID #	Driver Name	Model	Job Number	Reason	Date	Job Time	Estimated Hours	Mechanic	Job Status	Priority	Reservation Number
A8932182	003447		GOLF CART	Raise Job	Service	09/02/2008	00:00	2.00		M		Safety I
SG19233	010009		TRUCK	Raise Job	Miscellaneous	09/02/2008	00:00	8.00		M		Hang PI
SG19291	010022		TRUCK	Raise Job	Service	09/02/2008	00:00	2.75		M		Annual
HP2689	015635		CARGO TRAILER	Raise Job	Repair	09/03/2008	00:00	2.50		M		Replace
	001488		CAMADO	Raise Job	Service	09/03/2008	00:00	2.75		M		Annual



Mechanic ID: [blank]

Buttons: \* (asterisk), ALLISON, DANNY P., CASAL, DONALD P., HICKS, GARY C., JAMES, KENNETH D., MITCHELL, MICHAEL L., PIZARRO, ELADIO N., RAGSDALE, SAMUEL C., ESPINO, ANSELMO D., HISLE, STEVEN B., KNIGHT, STANLEY D., OTTO, Jr., JUSTUS G., PUSINSKAS, PETER, RAUSIN, KENNETH W.

PIN INPUT

1	2	3
4	5	6
7	8	9
0		Clear

Login



# Vendor Management

- **Current Limitations:**

- No centralized oversight of supplier spend
  - Accounting systems only capture total spend
  - Limited control of external vendor repairs & costs

Capture  
RESULTS  
All Costs

- **Solution:**

- Link all purchases to the vehicle
  - Group spend as needed
  - Integrate PO's to accounts payable
- Track contracts and fund allocations

The screenshot displays a software interface for vendor management. The top section shows a vendor profile for 'ADVANCED HYDRAULIC SUPPLY' with fields for address, city, state, zip code, contact information, and contract details. Below this is a 'PURCHASE HISTORY' section with a search bar and a table of transactions.

REFERENCE NO.	DATE	PART NUMBER	TRANSACTION TYPE	INVOICE #	QUANTITY	ADJUSTED AMOUNT
91930	12/17/2001	27011212	Receipt			
0012099	03/13/2002	205AES45	Receipt		2.00	10.12
					-1.00	-110.00
					0.00	0.00



# Driver and Accident Management

## Aggregate all factors that impact fleet running costs

- Driver and risk management
- Certifications / qualifications
- Incidents and Accidents
- Claims and recovery

Insure  
RESULT  
Compliance

**LICENSE** **LICENS & TRAINING** **ACCIDENTS & FUEL CARDS**

Notes Upload

Sample Drug Test Result

Yes

Driver Name: RON KATZ

Title: VP NORTH AMERICAN SALES

Grade: SENIOR MGT.

Organization: SACRAMENTO MUNICIPAL UTILITY DISTRICT

Location code: RECEIVING

Department: FLEET MANAGEMENT

Gender: Male

Office Phone: (781) 793-0788

Mobile phone number: (781) 929-1039

Home Phone:

Email: ron@chevinfleet.com

Address 1: 43 Orchard Hill Drive

Address 2:

City, State: Sharon

City, State:

Address:

Address:

HP1211

SS Number:

Payroll No.:

Date Of Birth:

Start Date:

Date Finished:

Status:

Personal Insurance:

Business Miles:

Personal Mileage Notes:

Physical Cert. #:

Background Check Completed:

Credit Check Completed:

Last Eye Test:

Spouse (Authorized Driver):

Other:

**Basic** **Documentation** **Details** **Pictures** **Settlement** **SIS**

Vehicle ID: C2M-UN2046 Make code: TOYOTA Model: LANDCRUISER GVLP Group: CO VEHICLE

Inventory No.: Axle: RHD Model Code: HZJ105R-GCMRS Vehicle Type: 4WD / STATION

Year: 01/01/2005

Date: 19/11/2008 Entered By: SIMRET

Status: Closed

Date of Accident/Incident: 25/05/2008

Date of Report: 30/06/2008

Reference Number of Report: ACC000005/08

Costcentre: WFP ZAMBIA

Region: JOHANNESBURG

Depots:

Country: Zambia

Location: ZALINGEI

Driver: Bernard Mwakalombe

Position of Driver: Locally recruited CO staff

Type of Journey: Local within Operational Area

Use of Vehicle: On duty - WFP Business

Driving Licence: Origin: Zambia

Date Expiry: 31/10/2009

Number: 104724/1

Driver Authorisation & Signed Driver Rules & Regulations in place at time of accident: Yes

Type of Accident/Incident: Collision with another vehicle/s

Type of Road: Minor Road

Weather Conditions: Dry

Light Conditions: Daylight

Consequences of Accident/Incident

Damage to our vehicle: Yes

Damage to third party: Yes

Chargable: 0.00

Physical Cert. #: Yes

Background Check Completed: Yes

Credit Check Completed: Yes

Last Eye Test: 10/24/2003

Spouse (Authorized Driver): NA

Other:

# Actionable Intelligence

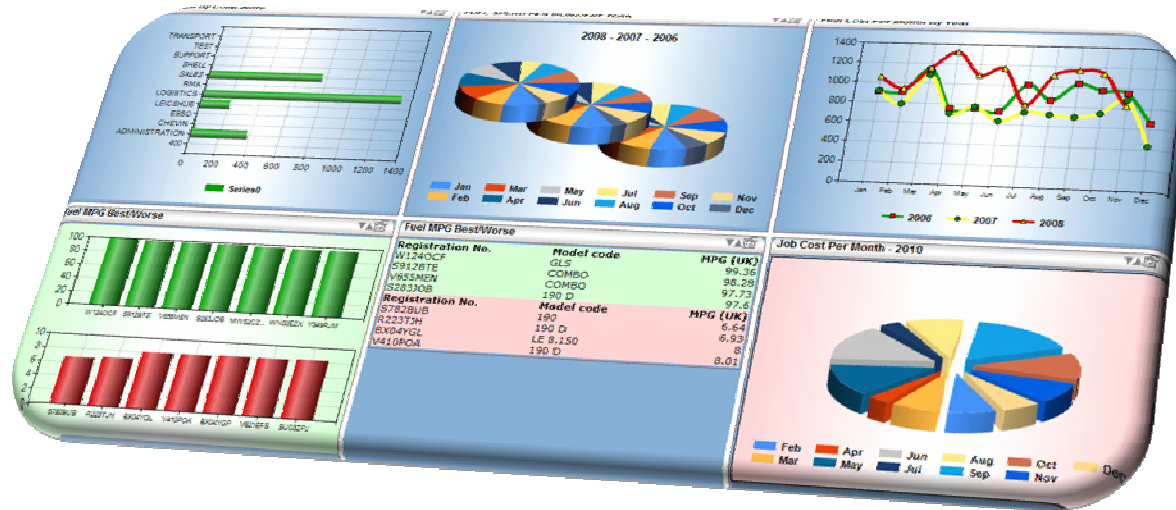
- **Current Limitations:**

- Inability to access timely, meaningful data
  - Fleet utilization, alternative fuel usage, workshop productivity, spend management, etc.

- **Solution:**

- Real-Time presentation
  - Performance statistics
  - Sustainability
  - Trends & graphs
  - Tailored for each user

Actionable  
Intelligence  
RESULTS



# What Challenges Can be Overcome?

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With an integrated fleet management information system, your organization can realize immediate and long term value

- Centralized repository for all fleet operating data
- Integrated data provides “actionable” visibility
- Allows leadership to make timely decisions
- Provides key missing ingredient



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# Control !



# Thank You

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## For More Information:

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